SEP 2 2 2003 E

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PATENT 89160.0010

INDEE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: GURVICH et al.

Art Unit: 2817

Examiner: Takaoka, Dean O.

1450, on September 7 Date of Deposit Ellen Pritsker

Signature

I hereby certify that this correspondence is

Mail Stop IDS, Commissioner for Patents P.O. Box 1450, Alexandria, VA 22313-

being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:

Serial No:

10/045,837

Filed: January 11, 2002

For:

MICROSTRIP COUPLER

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT

Mail Stop IDS Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sirs:

- 1. The information disclosure statement submitted herewith is being filed within three months of the filing date of the application other than a continued prosecution application, or within three months of the date of entry into the national stage of an international application, or before the mailing date of a first Office Action on the merits, or before the mailing of a first Office action after the filing of a request for continued examination under §1.114, whichever event occurs last. 37 C.F.R. §1.97(b).
- 2. The information disclosure statement transmitted herewith is being filed after the period specified in §1.97(b), but before the mailing date of a final action under §1.113, or a notice of allowance under §1.311, or an action that otherwise closes prosecution in the application, whichever occurs first. A statement specified in §1.97(e) or a fee set forth in §1.17(p) is included. 37 C.F.R. §1.97(c).

§1.97(e) STATEMENT

I, the person signing below, state:

that each item of information contained in the information disclosure statement was first cited in the attached communication from a foreign patent office in a counterpart foreign application and that the communication is dated not more than three months prior to the filing of the statement. 37 C.F.R. §1.97(e)(1).

OR

	that no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in §1.56(c) more than three months prior to the filing of the statement. 37 C.F.R. §1.97(e)(2).
	OR FEE
	Attached is a fee set forth in 37 C.F.R. §1.17(p) for submission of an information disclosure statement under §1.97(c). (\$180.00). [OR:] Please charge the fee set forth in 37 C.F.R. §1.17(p) for submission of an information disclosure statement under §1.97(c) (\$180.00) to Deposit Account No. 50-1314. A copy of this petition is enclosed.
3.	The information disclosure statement transmitted herewith is being filed after the period specified in §1.97(c), but before, or simultaneously with the payment of the issue fee. A statement specified in §1.97(e) and a fee set forth in §1.17(p) are included. 37 C.F.R. §1.97(d).
	§1.97(e) STATEMENT
	I, the person signing below, state:
	that each item of information contained in the information disclosure statement was first cited in the attached communication from a foreign patent office in a counterpart foreign application and that the communication is dated not more than three months prior to the filing of the statement. 37 C.F.R. §1.97(e)(1).
	OR
	that no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in §1.56(c) more than three months prior to the filing of the statement. 37 C.F.R. §1.97(e)(2).

AND FEE

Attached is a fee set forth in 37 C.F.R. §1.17(p) for submission of an
information disclosure statement under §1.97(d). (\$180.00).

- 4. If it should be determined that for any reason either an insufficient fee or an excessive has been paid, please charge any insufficiency or credit any overpayment necessary to ensure consideration of the information disclosure statement for the above-identified application to Deposit Account No. 50-1314. A copy of this petition is enclosed.
- 5. A list of reference(s) is in the enclosed Form PTO-1449.

NON-ENGLISH LANGUAGE REFERENCES

\boxtimes Enclosed is a search report for a counterpart application.
The specification incorporates comments on the relevancy of Non-Englis language references.
Set forth below are comments provided by the applicant's home country counse on the relevancy of non-English language references:

Date: September 17, 2003

Biltmore Tower 500 South Grand Avenue, Suite 1900 Los Angeles, CA 90071

Telephone: (213) 337-6700 Facsimile: (213) 337-6701 Respectfully submitted, HOGAN & DARTSON L.L.P.

By: Paul B. Heynssens

Registration No. 47,648 Attorney for Applicant(s)

FORM PTO-1449

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

Que several sheets if necessary)

Dock	t Number (Optional)
	89160.00	10

Application Number 10/045,837

Applicant

GURVICH et al.

Filing Date
January 11, 2002

Group Art Unit

2817

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U.S. PATENT DOCUMENTS						
EXAMENER INITIALS I	AND TO CUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	3,516,024	6/2/1970	J. Lange	333	10	
	4,216,446	8/5/1980	H. Iwer	333	112	
	4,288,761	9/8/1981	S. Hopfer	333	116	
	4,636,754	1/13/1987	Presser et al.	333	116	
	4,723,307	2/2/1988	Clark et al.	455	103	
	5,159,298	10/27/1992	M. Dydyk	333	112	
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	FOR	EIGN PATI	ENT DOCUME	NTS		-	
	DOCUMENT NUMBER	DATE COU	COUNTRY	CLASS	SUBCLASS	Translation YES NO	
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EXAMINER	DATE CONSIDERED
	DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

FORM PTO-1449	Docket Numb r (Optional) Application Number 10/045,837
INFORMATION DISCLOSURE CITATION IN AN APPLICATION	Applicant GURVICH et al.
(Use several sheets if necessary) SEP 2 2 20	Group Art Unit January 11, 2002 2817
OTHER DOCUMENTS (Including Ad	thor, Title, Date, Pertinent Pages, Etc.)
Bryant, et al., "Parameters of Microstri	p Transmission Lines and of Coupled Pairs of in Microwave Theory and Techniques, Vol. MTT-16,
Herzog, H.J., "Microstrip Couplers with No. 3, February 2, 1978	Improved Directivity", Electronics Letters, Vol. 14,
Schaller, G., "Directivity Improvement 26, No. 11, 1972, pages 508-509	of Microstrip N4-Directional Couplers", AEU, Vol.
Rehnmark, S., "High Directivity CTL-C of CTL-Coupler Parameters", <i>IEEE Tra</i> Vol. MTT-25, No. 12, December 1977, p.	ouplers and a New Technique for the Measurement insactions on Microwave Theory and Techniques, ages 1116-1121
Podell, A., "A High Directivity Microstri Symposium Digest, 1970 G-MTT, pages	p Coupler Technique", <i>International Microwave</i> 33-37
Sheleg, B. et al., "Broad-Band Direction Overlays", <i>IEEE Transactions on Micros</i> December 1974, pages 1216-1220	al Couplers Using Microstrip with Dielectric wave Theory and Techniques, Vol. MTT-22, No. 12,
Alexopoulos, N. et al., "Characteristics of Substrates", <i>IEEE Transactions on Micr</i> 6, June 1978, pages 387-393	f Single and Coupled Microstrips on Anisotropic owave Theory and Techniques, Vol. MTT-26, No.
Aikawa, M., "Microstrip Line Directional Directivity", <i>The Transactions of the IEC</i> 206-207, April 1977	l Coupler with Tight Coupling and High EE of Japan, Vol. E 60, No. 4, Abstracts, pages
Lange, J., "Interdigitated Stripline Quae Microwave Theory and Techniques, Dece	lrature Hybrid", " <i>IEEE Transactions on</i> mber 1969, pages 1150-1151
	oupler Design", IEEE Transactions on Microwave
Kumar, et al., "Monolithic GaAs Interdig Impedances", 1982 IEEE Microwaves & 1982	ritated 90 Degree Hybrids With 50- and 25- OHM Millimeter Wave Circuits Symposium, Dallas, TX
Lange, J., "Interdigitated Stripline Quad Symposium Digest, pages 10-13, May 19	rature Hybrid", <i>G-MTT Int., Microwave</i>

EXAMINER	DATE CONSIDERED
EXAMINER: Initial if citation considered whether	Pror not citation is in conformance with MPER'S COO. Deputition that the state of t

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FORM PTO-1449 D cket Numb r (Optional) **Application Number** 89160.0010 10/045,837 INFORMATION DISCLOSURE CITATION **Applicant** GURVICH et al. IN AN APPLICATION SEP 2 2 2003 (Use several sheets if necessary) Filing Dat **Group Art Unit** January 11, 2002 2817 OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Lane, J., ""Interdigitated Stripline Quadrature Hybrid", IEEE Transactions on Microwave Theory and Techniques, December 1969, pages 1150-1151 Waugh, R. et al., "Unfolding the Lange Coupler", IEEE Transactions on Microwave Theory and Techniques,, November 1972, MTT-20, pages 777-779

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.